UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
				Total Rs. 498,907-00	
				IT - 9978-00	
				Cess - 4989-00	
				CBF - 499-00	
				FSD - 24945-00	
				LR - 1496-00	
				CGST - 4455-00	
				SGST - 4455-00	
				Fine - 758-00	
				Adjn. 51567-00	
				Chq gn. 447340-00	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 427238

First & Final Bill

Agency : KRIDL

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... Improvements to Roads, drains and other works

Date of commencement of work ..... at Raghuram Layout in ward no 11 (Kuvempunagara)

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Work code no :-	011 -	18-000026				
Work order no :-	EE/BTP/BBMP/KRIDL/WO/144/2017-18 dt 26.3.2018					
Name of Agency :-	Executive Engineer KRIDL					
Estimated cost :-	Rs 27.0 Lakhs					
Head of Account :-	P 1878					
A/s no date :-	AS/EE/BTP/78/17-18 dt 14.12.2017					
T/s no date :-	TS/CE/(NK) 590/17-18 dt 2.2.2018.					
Earth work excavation by manual means in Ordinary soil involving an average horizontal throw upto 2.0 mts and an average lift upto 0.5m excavated surface levelled sides neatly dressed the disposed earth to be levelled neatly after breaking lumps complete as per specification etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	premeasurement recorded with page 427291 of this MB						
	Qty 97.97 Cum @ Rs 198/56 Cum					Rs- 19530/-	
2)	Removing and refixing stone slabs of drainy and pitching in CM (1:3) Raghavan Layout Main road						
	premeasurements recorded wide page					of this MB Qty - 893.70 Sqm	
	Qty upto 125-/. 745.87 Sqm @ Rs 80.56/Sqm					Rs- 60087/-	
	Qty beyond 125-/. 147.83 Sqm @ Rs 80.56/Sqm					Rs- 11909/-	
	893.70						
3)	providing granite slabs of sectional quality roughly dressed laying fixing of 7.5 Cms thick and fixed in cement mortar 1:6 including finishing curing etc complete.					32.52 Sqm	
		1	24.0	1.35		Rs- 21648/-	
	@ Rs 665.68/Sqm						
4)	providing & filling in foundation with granite / trap broken						

M. A. R. 5
Measure

Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Number	Le
2	3	
Earth 100 mm and down size		
Excavation including cost		
complete as per specification.		
Removing Kankar/Gravel/Metal		
disposal of stuff including cost		
premeasurement recorded wide		
page 427293 Limit 324		
Providing & Granular Sub base		
of granite / trap/basalt Material		
& mixed Material to		
Make grades in prepared surface		
to desired density Complete		

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number	Length	Breadth	Depth		
3	4	5	6	7	8
...e page 427291 of this MB					
@ Rs 193/56 Cum				Rs- 19530/-	
...stone slabs of drainy and pitching in CM					
...e page of this MB Qty				- 893.70 Sqm	
...7 Sqm @ Rs 80.56/Sqm				Rs- 60087/-	
...P3 Sqm @ Rs 80.56/Sqm				Rs- 11909/-	
...ks of Sectional quality brought dressed Laying					
...finish in Cement mortar 1:6 including fixing				32.52 Sqm	
1	24.0	1.35		Rs- 21648/-	
@ Rs 665.68/Sqm					
...foundation with granite/trap broken					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427239

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
...Rubble 100 mm and down size with approved sand including hand packing ...watering including cost of all Materials & labour with all lead & Lift etc ...complete as per specifications.				Qty - Nil		
...earthwork Kankar/Gravel/Metal Crust upto 150 mm thick with picks axes and ...disposal of stuff including Cost of all labour charges Complete as per specifications						
premeasurement recorded in side page of this MB 427292 Qty 340.0 Sqm						
page 427293 Limit 324 - @ Rs 26.50/Sqm					Rs- 8586/-	
...Construction of granular sub base by providing closed graded crushed stone aggregate ...granite/trap/basalt material mixing in a mechanical mix plant at one ...stage of mixed material to work site spreading in uniform layers with ...grader on prepared surface and Compacting with vibratory power roller to ...the desired density Complete as per specification & direction of Engineer in charge						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of work premeasurement recorded vide page 427292 of this MB Qty 48.60 Cum @ Rs 1865.26/cum						Rs - 85932/-
7)	providing & laying in position plain cement concrete of M/s 1:4:8 with opc cement @ 180 kgs with 40 mm & down fly graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.5 cum machine mixed cement laid in layers not exceeding 15cm thick well compacted in foundation & plinth including cost of all materials labour Hire & Machinery curing complete premeasurement recorded vide page of this MB page Qty 95.22 Cum @ Rs 5159.02/cum						Rs - 491242/-
8)	cement concrete pavement construction of uniform plain cement concrete pavement thickness as per design over a prepared sub base with opc cement or any other type as per clause 1051.22 design M/s M20/M30 with 40 mm down fly graded granite metal						

M. A. R.
Measur

From.....

Full description, etc, of work	Number	Le
2	3	
...ation of the agency ... 13/11/1999 re-approved 200 ... capacity & appropriate ... compacted using needle ... continuous operations including ... joints including groove cut ... finishing Cms. Grade as per spec	1	72
providing & laying cement concrete ...		Q4
providing & removing centering, shutter ...		Q2

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
ile page 427292 of this MB				
@ Rs 1665.26/cu m				Rs - 88932/-
plain Cement Concrete 1:4:8 with				
m & down fly graded granite metal				
the aggregate @ 0.5 fm machine mixed				
ading 15cm thick well compacted in				
y Cost of all Materials labour Hire & Machi				
page of this MB page				Rs - 49242/-
@ 5159.02/cu m				
ution of un leinforced plain Cement				
per design over a prepared Sub base				
type as per Clause 105.1.22 design				
Rubble fly graded Granite metal				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427240

From..... To.....

Name of nature of Agency .....

Name of work .....

Description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
aggregate ✓ the aggregate with Super plasticizer @ 3 kg conforming to IS 9103:1999 Reapproved 2004 & mixed in a Concrete mixer for not less than 0.6 minutes ✓ capacity ✓ appropriate design form work spreading the Concrete is shovels compacted using needle screed and plate vibrator as directed is a finishing operation including provision of Contraction Expansion longitudi joint including Groove Cutting charges joint filler Seperation membrane						
including Lins, Grade as per specification	1	72.0	4.50	0.125	40.50 Cu m	Rs - 223107/-
			@ Rs 5508.82/cu m			
✓ laying Cement Concrete using 20mm down fly coarse aggregate						Nil
	Qty					
✓ removing centering, shuttering Struttings, propping etc & removal of						Nil
	Qty					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	providing TMT steel reinforcement in RCC work including straighting cutting bending etc complete as per direction of Engineer in charge						Nil
						Qty	
12)	providing & constructing load bearing solid concrete blocks of size 400 x 200 x 200 mm having block density not less than 1800 kg/m³ of hollow minimum average compressive strength 4.0 N/mm² conforming to IS 2185 (part-) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials labour charges scaffolding curing complete						
	Rajhuram layout-main road	2	140.0	0.40		224.0 sqm	
		2	119	0.4		190.40	
						414.40	
						Tot Qty	
						@ 295.980 /-	
	Qty upto 12%	298.0	sqm	@ Rs	993.22/sqm	@ 113.611 /-	
	Qty above 12%	116.40	sqm	@	993.22/sqm		
		414.40					
13)	providing & laying in position plain cement concrete of mix 1:2:4 with 20mm & down size graded granite metal						
	cement @ 240 kgs with						

M. A. R. 57 (
Measureme

From.....

of contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Number	Length
3	3	4
[illegible] @ 0.89 cm and fine		
[illegible] in layers not [illegible]		15
[illegible] with [illegible] cost of all Materials		
Road at Rajhuram	2	140.
layout main	2	119.
Colony cc	2 x 2	140.
	2 x 2	119.
upto 12%	31.6	cm @ Rs 57
beyond 12%	12.37	cm @ Rs

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427241

From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
...Stone @ 0.69 Cu and fine aggregate @ 0.459 Cu machine mixed concrete in layers not exceeding 15 Cm thick well compacted in Foundation & plinth including Cost of all materials labour Hire of Machine complete.						
Bed c c Rghtwork	2	140.0	0.45	0.10	12.60	Cu
Layout masonry	1	119.0	0.45	0.10	10.71	Cu
Extra cc	2+2	140.0	0.20	0.10	11.20	"
	2+2	119.0	0.20	0.10	9.52	"
				Total Qty	44.03	Cu
						Rs - 182612/-
Extra upto 1.5 M.	31.65	Cu @ Rs	5767.46/Cu			
Extra beyond 1.5 M.	12.37	Cu @ Rs	5767.46/Cu			Rs - 71329/-

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number	Length	Breadth	Depth		
	4	5	6	7	8
...ent for RCC work including straighting					
	Qty				Nil
...Already laid M15 Solid Concrete block of ...block density not less than 1900 kg/m³ of having ... strength 4.0 N/mm² Conforming to IS 2185 ... Cm 1:4 as per IS 2572:2005 including ... Scaffolding curing Complete					
2	140.0	0.40		224.0 Sqm	
2	119	0.4		190.40	
		Total Qty		414.40	
@ Rs 993.22/Sqm.					Rs - 295980/-
@ 993.22/Sqm					Rs - 115611/-
...m plain cement Concrete ... of mix 1:2:4 with ... down light graded granite metal					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	14) providing precast slab of 100 mm thick including Cost of all Materials, Labour, curing transportion loading unloading etc Complete as per the direction of Engineer						
	Rcc Drain slab -	467	0.90	0.60		252.0 Sqm	
		397	0.90	0.60		214.2	
						466.20 Sqm	
	Qty upto 125 m.	436.50	Sqm @	1820.56	/Sqm	Rs- 794674/-	
	Qty above 125 m.	29.70	Sqm @	1820.56	/Sqm	Rs- 54071/-	
						Total Qty - 243326	
				KRIDL charges @ 10%		243132/-	
				Labourers 1%		243/-	
						Total - 2698785	
	Rupees twenty five Lakhs ninety Eight Thousand seven hundred sixty five only)						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore 97

M. A. R.
Measur
From
Full description, etc, of work
Number
Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

NT BOOK

mensions			Contents	Reference to last Measurem
h	Breadth 5	Depth 6	7	8
ill	Including Cost of all Materials,			
ly	unloading etc Complete as per			
			252.0 Sqm	
90	0.60		-214.2	
90	0.60		466.20 Sqm	
			Rs-794674/-	
820.56	/Sqm		Rs-54071/-	
820.56	/Sqm		Total Rs - 2431326	
			2431326/-	
RIDL	charges @ 10%		2431326/-	
	Labour cess 1%			
			Total = 2698765	
Cakhs	ninety Eight			
hundred	Sixty Five	only)		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427242

From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

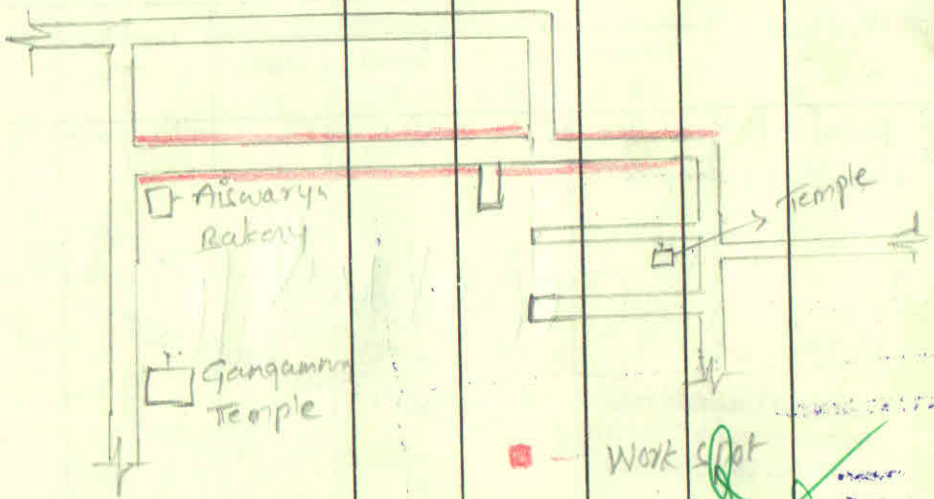
Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Certified that the above said work done satisfactory & the material used by department						

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

J.u.Raj
AE-II
25/1/19

MEASUREMENT BOOK

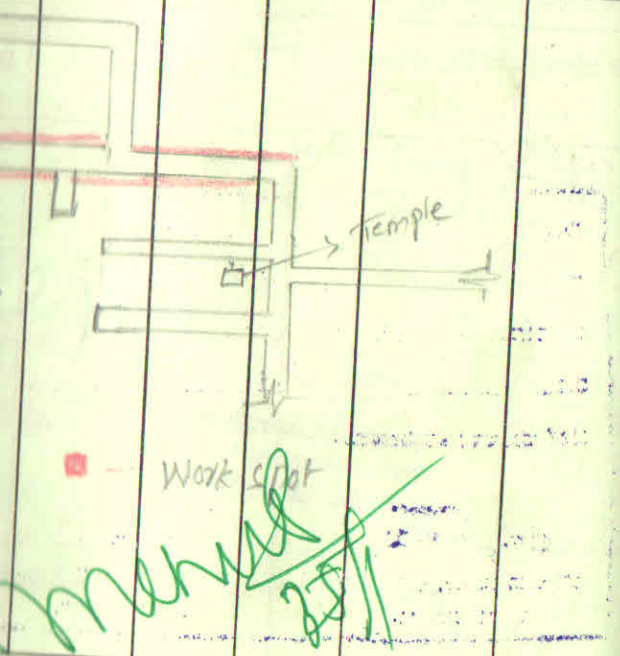
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

M. A. R. 5
Measure

From.....

UREMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Refer to la Measur 8



M. A. R. 57 (Rule 116)
Measurement Book

No. B 427243

..... From..... To.....

Name of Work .....

Name and character of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
ಒಟ್ಟು ಮೊತ್ತವು ರೂ.					Total Rs: 26,98,765-00	
					IT - 53975-00	
ಮುಂದಿದೆ : ಇದರಲ್ಲಿ ರೂ.					Cess - 26988-00	
ಮುಂದೆಯೊಂದು ಉಲ್ಲೇಖ ಮಾಡಬೇಕಾದ					CBF - 2699-00	
					LR - 50467-00	
					FSD - 134938-00	
					CGST - 24096-00	
					SGST - 24096-00	
					Fine - 8400-00	
					Addl. 325659-00	
					Chapu 23,73,106-00	

Rs. Twenty Three Lakh, Seventy Three
Thousand one hundred six only.

ಸಹಿ ಮಾಡಿದ ನೀಡಲಾಗಿದೆ